

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: March 2, 2002, 20:03:35 ; Search time 4779.51 Seconds
(without alignments)
242.005 Million cell updates/sec

Title: US-09-540-235-1

Perfect score: 408

Sequence: 1 acgcgcgttcgagagatta.....acatcatctaatgttgta 408

Scoring table: IDENTITY_NUC

Gapop 10.0, Gapext 1.0

Searched: 2370470 seqs, 1417481579 residues

Total number of hits satisfying chosen parameters: 4740940

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Pending_Patents_NA_New:*
1: /cgn2_6/ptodata/1/pna/PCN_NEW.COMB.seq:*
2: /cgn2_6/ptodata/1/pna/US06_NEW.COMB.seq:*
3: /cgn2_6/ptodata/1/pna/US07_NEW.COMB.seq:*
4: /cgn2_6/ptodata/1/pna/US08_NEW.COMB.seq:*
5: /cgn2_6/ptodata/1/pna/US09_NEW.COMB.seq:*
6: /cgn2_6/ptodata/1/pna/US09_NEW.COMB.seq1:*
7: /cgn2_6/ptodata/1/pna/US09_NEW.COMB.seq2:*
8: /cgn2_6/ptodata/1/pna/US10_NEW.COMB.seq:*
9: /cgn2_6/ptodata/1/pna/US60_NEW.COMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	114.6	28.1	605	8 US-10-021-323-15008	Sequence 15008, A
2	112	27.5	406	7 US-09-637-086D-34627	Sequence 34627, A
3	111.8	27.4	353	7 US-09-637-086D-3033	Sequence 3033, AP
4	110.4	27.1	409	7 US-09-637-086D-33126	Sequence 33126, A
5	102	25.0	414	6 US-09-985-678-258232	Sequence 258232, A
6	102	25.0	495	6 US-09-985-678-206204	Sequence 206204, A
7	102	25.0	557	6 US-09-985-678-219271	Sequence 219271, A
8	100.8	24.7	598	6 US-09-985-678-33331	Sequence 33331, A
9	99.8	24.5	422	7 US-09-637-086D-33331	Sequence 33331, A
10	99.8	24.5	619	7 US-09-874-708A-47173	Sequence 47173, A
11	99.6	24.4	540	8 US-10-029-386-3796	Sequence 3796, AP
12	98.2	24.1	464	6 US-09-985-678-274043	Sequence 274043, A
13	98.2	24.1	495	7 US-09-874-708A-12192	Sequence 12192, A
14	98.2	24.1	529	7 US-09-874-708A-18007	Sequence 18007, A
15	98	24.0	388	7 US-09-975-673A-7984	Sequence 7984, AP
16	97.2	23.8	435	6 US-09-985-678-267732	Sequence 267732, A
17	96	23.5	407	6 US-09-985-678-98345	Sequence 98345, A
18	95.6	23.4	649	5 US-09-873-808A-76679	Sequence 76679, A
19	95.2	23.3	778	6 US-09-898-888A-23085	Sequence 23085, A
20	94.4	23.1	455	7 US-09-939-397-19720	Sequence 19720, A
21	94.4	23.1	471	7 US-09-925-564-45093	Sequence 45093, A
22	94	23.0	419	6 US-09-985-678-85084	Sequence 85084, A
23	94	23.0	508	7 US-09-865-439A-58773	Sequence 58773, A
24	94	23.0	589	7 US-09-865-439A-98137	Sequence 98137, A

25	94	23.0	602	7 US-09-865-439A-91621	Sequence 91621, A
26	94	23.0	641	7 US-09-865-439A-92383	Sequence 92383, A
27	94	23.0	650	7 US-09-873-402A-78836	Sequence 78836, A
28	94	23.0	658	7 US-09-865-419A-37669	Sequence 37669, A
29	94	23.0	676	7 US-09-865-419A-35754	Sequence 35754, A
30	93.2	22.8	521	8 US-10-025-600-476	Sequence 476, AP
31	93.2	22.8	668	7 US-09-865-439A-72266	Sequence 72266, A
32	92.8	22.7	443	7 US-09-925-564-34912	Sequence 34912, A
33	92.8	22.7	445	7 US-09-939-397-21664	Sequence 21664, A
34	92.8	22.7	497	6 US-09-933-524A-43292	Sequence 43292, A
35	92.8	22.7	502	7 US-09-939-397-24560	Sequence 24560, A
36	92.6	22.7	336	7 US-09-637-086D-35784	Sequence 35784, A
37	92.6	22.7	404	6 US-09-985-678-89957	Sequence 89957, A
38	92.4	22.6	413	7 US-09-939-397-17917	Sequence 17917, A
39	92.4	22.6	430	7 US-09-865-439A-47358	Sequence 47358, A
40	92.4	22.6	522	7 US-09-696-664A-12659	Sequence 12659, A
41	92.4	22.6	604	7 US-09-865-439A-73783	Sequence 73783, A
42	92.4	22.6	622	7 US-09-865-439A-99078	Sequence 99078, A
43	92.4	22.6	637	5 US-09-873-402A-27276	Sequence 27276, A
44	92.4	22.6	633	7 US-09-865-439A-34240	Sequence 34240, A
45	92.4	22.6	633	7 US-09-865-439A-37029	Sequence 37029, A

ALIGNMENTS

```
RESULT 1
US-10-021-323-15008
; Sequence 15008, Application US/10021323
; GENERAL INFORMATION:
; APPLICANT: Deikman, Jill
; APPLICANT: Peng, Paul C.C.
; APPLICANT: Fincher, Karen L.
; APPLICANT: Ziegler, Todd E.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(52274)B
; CURRENT APPLICATION NUMBER: US/10/021,323
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 60/255, 619
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 17880
; SEQ ID NO 15008
; LENGTH: 605
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3829-019-06-K6-C7
US-10-021-323-15008

Query Match 28.1%; Score 114.6; DB 8; Length 605;
Best Local Similarity 59.8%; Pred. No. 4,4e-24;
Matches 192; Conservative 0; Mismatches 129; Indels 0; Gaps 0;

QY 88 cagtcgcacgaagatttccaaagttgtatgctgcgtcgaagaagaagcaggaagaagc 147
Db 54 cagcagaagaagaagattccaaacacgcgtccctccgcgtcgaagcgaagcc 113

QY 148 acttcaagaacattcttctgaagcaatactatgtagcaccctgtccaagaac 207
Db 114 attcaagcactctgtcgtcgtccgcgtgtttagtgagcgtcactctgcacgac 173

QY 208 tacgtacgaataacagcgttcttcttaccatttcgaagaagaagaaglaatac 267
Db 174 ttaggtccaaatacaacgctcgttcgtcgtcgttcgaagcagcaggtccaaagtc 233

QY 268 ttgcgcgagcttccaaggttagaagaagaagttcaacgcyttatcgaagaatattc 327
Db 234 ttgcgcgtacttcaacgaagccgcgaaggaagtcgtgaagtgtaccgcgaatgg 293

QY 328 gatatcatatcgagagagtcacagagaagaacggaatgtaatgactgtgagga 387
Db 328 gatatcatatcgagagagtcacagagaagaacggaatgtaatgactgtgagga 387
```

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Db 294 tgatccacattgagcgtatcacgcggggaagatgacgggtcgcacgtcacaacgtcgtta 353
Oy 388 tacatccatcatactgtttgta 408
Db 354 tcaaccatcgaaggtcgtca 374

RESULT 2
US-09-637-086D-34627
; Sequence 34627, Application US/09637086D
; GENERAL INFORMATION:
; APPLICANT: Fincher, Karen L.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: McCarter, David W.
; APPLICANT: Pear, Julie R.
; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
; FILE REFERENCE: 38-21(51375)B
; CURRENT APPLICATION NUMBER: US/09/637,086D
; CURRENT FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: US 60/149,881
; PRIOR FILING DATE: 1999-08-19
; NUMBER OF SEQ ID NOS: 52949
; SEQ ID NO 34627
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(406)
; OTHER INFORMATION: unsure at all n locations
; OTHER INFORMATION: Clone ID: LIB3149-039-Q1-K1-B6
US-09-637-086D-34627

Query Match 27.5%; Score 112; DB 7; Length 406;
Best Local Similarity 59.2%; Pred. No. 2.3e-23;
Matches 190; Conservative 0; Mismatches 131; Indels 0; Gaps 0;

Oy 88 cagtcgcacatgaatattccaaagtgtatcgtcgtctgaagaagcagaggaagcatt 147
Db 54 caggggaaaggaagatcaaccacgtgncctcctcctcgcgtacgaagccgaagccc 113
Oy 148 acttcaagaccattctctgtacgcgaatactacatgtagtgaccctgtgtccaaagaac 207
Db 114 attcaagcactctgtcgtcgtccgcgagtttgatgagcgtccacactcgcacgcgatac 173
Oy 208 tacgtacgaatacagcgttcgttcttaccctatctgaaagaagaagcgaatatactag 267
Db 174 tgaagtcacaatacaacgctcgttcacgtcttcgcaagagcagaggtccaaagtcg 233
Oy 268 ttgcggagcttccaaggtgaaggaagaattacaacgttcttcgaaagaataatc 327
Db 234 ttccggtacctacaagggccgcgaagggaaagtcgtgcaagtgtaccgcgcgaatggg 293
Oy 328 ggaatacagagagtgacacagagaagaagcgaatggaatgactgtactgtggaa 387
Db 294 tgatccacattgagcgtatcacgcggggaagatgacgggtcgcacgtcacaacgtcgtta 353
Oy 388 tacatccatcatactgtttgta 408
Db 354 tcaaccatcgaaggtcgtca 374

RESULT 3
US-09-637-086D-3033
; Sequence 3033, Application US/09637086D
; GENERAL INFORMATION:
; APPLICANT: Fincher, Karen L.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: McCarter, David W.
; APPLICANT: Pear, Julie R.
; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
```

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; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(51375)B
; CURRENT APPLICATION NUMBER: US/09/637,086D
; CURRENT FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: US 60/149,881
; PRIOR FILING DATE: 1999-08-19
; NUMBER OF SEQ ID NOS: 52949
; SEQ ID NO 3033
; LENGTH: 353
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3083-066-Q1-L1-H10
US-09-637-086D-3033

Query Match 27.4%; Score 111.8; DB 7; Length 353;
Best Local Similarity 59.7%; Pred. No. 2.5e-23;
Matches 188; Conservative 0; Mismatches 127; Indels 0; Gaps 0;

Oy 94 ccatgaagattccaaagtgtatcgtcgtctgaagaagcagaggaagcactattc 153
Db 12 caatgaagatacaaccgcgtgtctcgtctcgtccgcaagagcgcgaaggtcattca 71
Oy 154 aagcaccatctctgtacgcgaatactcatgagtgcaacctgttccaaggaactagta 213
Db 72 cagcaccttctcgtcgcgcgtcttaatgagcgaacccctctcatccgtattgaagt 131
Oy 214 cgaataacaggttctcgtcttactctatcgaaagaagacgaagatcatactgtcgcg 273
Db 132 ccaatlaaacgctcgcgtctatgcgcgagcaagatgacgaaggtccaaagtgtcgtg 191
Oy 274 gagcttcaaggttagaagaagaagttacaacgtgttatacgaaagaatatcgsatac 333
Db 192 ggaactacaaggagcaggaaggaagtggttcaagtgtacgcgcgaatgggtgatacc 251
Oy 334 atatcgaagagtgaccagagaagaagcgaatggaatgacgttaccgttgggaatactc 393
Db 252 aatcgaagcgtacacgcgcgagaaagtgaacggttccaccgtcaacgttggataacc 311
Oy 394 catctaagtgtta 408
Db 312 catccaaggttgta 326

RESULT 4
US-09-637-086D-33126
; Sequence 33126, Application US/09637086D
; GENERAL INFORMATION:
; APPLICANT: Fincher, Karen L.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: McCarter, David W.
; APPLICANT: Pear, Julie R.
; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
; FILE REFERENCE: 38-21(51375)B
; CURRENT APPLICATION NUMBER: US/09/637,086D
; CURRENT FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: US 60/149,881
; PRIOR FILING DATE: 1999-08-19
; NUMBER OF SEQ ID NOS: 52949
; SEQ ID NO 33126
; LENGTH: 409
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3149-018-Q1-K1-F12
US-09-637-086D-33126

Query Match 27.1%; Score 110.4; DB 7; Length 409;
Best Local Similarity 58.5%; Pred. No. 6.9e-23;
Matches 192; Conservative 0; Mismatches 136; Indels 0; Gaps 0;
```

```
QY 81 ctgtatcagtcgcgaatgaattccaagtgtatcgtcgtctagaagaacagagg 140
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 15 cctgcgcgcgaacaatgaagtaaacccgcgtgtctcctcctcctccgcgaagccga 74
QY 141 aaagcattcttaagcaaccattctctgtacgacgaatactactagatgcacctgtcc 200
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 75 aaggccattcttaacagaccctctcgtccgcgcgtcttaagagacaccctctca 134
QY 201 aaggaactacgtaagaatacaggtctgtcttacttacttctgaagaagaagagta 260
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 135 tccgattcgaagtcgaagtaaacagtcgcgtctatgcgcgtgvcgaagatgaagagtc 194
QY 261 atcatagttcgcgagcttccaaggtgagagtaagaagaatacaacggtttatcgaaag 320
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 195 caagtgtctgtggaactacaaaggagcaggaaggaagtgttcaagtgtacgcgcgc 254
QY 321 aaatacggatacatatcgagagatgacagagaaacgaaatggaatgactgtact 380
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 255 aaatggtgtatccacatcagcagcatcacgcgcgagaaagtgaacggttccacgcgtcaac 314
QY 381 gtgggaatacatcatctaatgtgtta 408
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 315 gtgggaatacaaccatccaaggtgtca 342
```

```
RESULT 5
US-09-985-678-258232
; Sequence 258232, Application US/09985678
; GENERAL INFORMATION:
; APPLICANT: Cheikh, Nordine
; APPLICANT: Liu, Jindong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 16517.255/38-21(15097)F
; CURRENT APPLICATION NUMBER: US/09/985,678
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: US 09/304,517
; PRIOR FILING DATE: 1999-05-06
; NUMBER OF SEQ ID NOS: 295529
; SEQ ID NO 258232
; LENGTH: 414
; TYPE: DNA
; ORGANISM: Glycine max
; US-09-985-678-258232
```

```
Query Match 25.0%; Score 102; DB 6; Length 414;
Best Local Similarity 57.5%; Pred. No. 2..2e-20;
Matches 183; Conservative 0; Mismatches 135; Indels 0; Gaps 0;
```

```
QY 89 agtcgcataaagtattccaagtgtatcgtcgtctagaagaagaagagagagata 148
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 21 agagacaatgaagtttaacccaagggttctcctaagccgttcgaagaagccgcgaaggtca 80
QY 149 ctccaagccacatctctgtacagcaaatcatgatgacacccctgtccaaggaact 208
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 81 cttaacgcgtccgtcgcggtgtcgtcgtcgtcgtatgagcgcgtctctccgcgcgtctc 140
QY 209 acgtacgaataacagcgtctcgtcttacttacttctgaagaagaacgaatlaactagt 268
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 141 ccggtcgaagtaacaagctgcgtctcattccgttcgaagaagaacgaaggtgcaaggtgt 200
QY 269 tcggagagcttcaaggtgtgagagaagaagttaacaacgtgttatcgaaagaatactg 328
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 201 gaagggaacccaacaaggcgcgaggaagcaagtgttccaggtcatgtccgcgaagtgtgt 260
QY 329 gatacatatcgagagatgacagagaagaacgaatgagatgactgttacctgtgggaat 388
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 261 catcaacatcgagcgcatacccgcgagaaagttaacggtccacgcgtcaacgttgcat 320
QY 389 acatcatctaatgtgt 406
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 321 tcacccttccaaggttgt 338
```

```
RESULT 6
US-09-985-678-206204
; Sequence 206204, Application US/09985678
; GENERAL INFORMATION:
; APPLICANT: Cheikh, Nordine
; APPLICANT: Liu, Jindong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 16517.255/38-21(15097)F
; CURRENT APPLICATION NUMBER: US/09/985,678
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: US 09/304,517
; PRIOR FILING DATE: 1999-05-06
; NUMBER OF SEQ ID NOS: 295529
; SEQ ID NO 206204
; LENGTH: 495
; TYPE: DNA
; ORGANISM: Glycine max
; US-09-985-678-206204
```

```
Query Match 25.0%; Score 102; DB 6; Length 495;
Best Local Similarity 57.5%; Pred. No. 2..3e-20;
Matches 183; Conservative 0; Mismatches 135; Indels 0; Gaps 0;
```

```
QY 89 agtcgcataaagtattccaagtgtatcgtcgtctagaagaagaagagagagata 148
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 54 agagacaatgaagtttaacccaagggttctcctaagccgttcgaagaagccgcgaaggtca 113
QY 149 ctccaagccacatctctgtacagcaaatcatgatgacacccctgtccaaggaact 208
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 114 cttaacgcgtccgtcgcggtgtcgtcgtcgtctgtatgagcgcgtctctcgcgcgtact 173
QY 209 acgtacgaataacagcgtctcgtcttacttacttctgaagaagaacgaatlaactagt 268
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 174 ccggtcgaagtaacaacgtgcgttcacatccggttcgcaagagcagaggtcaggttgt 233
QY 269 tcggagagcttcaaggtgagagaagaagaattacaacgtgttatcgaaagaatactcg 328
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 234 gaagggaacctacaaggcgcgcgaggaaggtgtccaggtctatccgcaaggttgt 293
QY 329 gatacatatcgagagatgacagagaagaacgaatgagatgactgtaccgttggaat 388
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 294 catcaacatcgagcgcatacccgcgagaaagttaacggtctcacgcgtcaacgttgcat 353
QY 389 acatcatctaatgtgt 406
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 354 tcacccttccaaggttgt 371
```

```
RESULT 7
US-09-985-678-226032
; Sequence 226032, Application US/09985678
; GENERAL INFORMATION:
; APPLICANT: Cheikh, Nordine
; APPLICANT: Liu, Jindong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 16517.255/38-21(15097)F
; CURRENT APPLICATION NUMBER: US/09/985,678
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: US 09/304,517
; PRIOR FILING DATE: 1999-05-06
; NUMBER OF SEQ ID NOS: 295529
; SEQ ID NO 226032
; LENGTH: 557
; TYPE: DNA
; ORGANISM: Glycine max
; NAME/KEY: unsure
; FEATURE:
; LOCATION: (1)..(557)
; OTHER INFORMATION: unsure at all n locations
; US-09-985-678-226032
```

[illegible]

```

RESULT 8
US-09-985-678-219271
# Sequence 219271, Application US/09985678
# GENERAL INFORMATION:
# APPLICANT: Chelkh, Nordin
# APPLICANT: Liu, Jindong
# TITLE OF INVENTION: Annotated Plant Genes
# FILE REFERENCE: 16517.255/38-21(15097)F
# CURRENT APPLICATION NUMBER: US/09/985,678
# PRIORITY FILING DATE: 2001-11-05
# PRIOR APPLICATION NUMBER: US 09/304,517
# PRIOR FILING DATE: 1999-05-06
# NUMBER OF SEQ. ID NOS: 295529
# SEQ ID NO 219271
# LENGTH: 598
# TYPE: DNA
# ORGANISM: Glycine max
# FEATURE:
# NAME/KEY: unsure
# LOCATION: (1)..(598)
# OTHER INFORMATION: unsure at all n locations
US-09-985-678-219271

```

Query Match	24.7%	Score 100.8;	DB 6;	Length 598;
Best Local Similarity	57.7%;	Pred. No. 5.6e-20;		
Matches 180; Conservative	0;	Mismatches 132;	Indels 0;	Gaps 0

06 atgaagattccaaagtgtgtctgtcgtctagaagaagacgaggaagactatttcaa 155
 07 24 atgaagattccaaatccccgaggtgtcgtgcagccgcgcgaagacggaagctccacttaacg 83
 Db 24 atgaagattccaaatccccgaggtgtcgtgcagccgcgcgaagacggaagctccacttaacg 83
 0y 156 gcaaccattctctgaacgacgaatactcaatgaatgcacccctgtgtccaaagaaactacga 215
 Db 84 ggcgcgtcgaagatgtcgcgaggtgtcgtatgagcgccctctgtctcgcgcgagctccgcgtg 143
 0y 216 aaatcagcgttcgtcttcttaccttttcgaaaagaacggaatcatcatcgttcgcgga 27
 Db 144 aagttacaacgttcgcgttcatalcccgatccgcgaagagacgcgaggtgtgtcgcgcgga 203
 0y 276 gcttccaaggtgagagaagaagaattcaacgcgttctcaagaagaatatcgtatcat 333

Accession	Sequence	Position
Db	acatacaaaagggtctcgacgaagggaagatgacgcaggtgtglaacgttcgcgaagtggtgtcatccac	263
Db	204	
QY	atcgagagagatgtgaccagagaagaacgcgaatgtgaatgtgactctgtgggaataatacatcca	395
QY	336	
Db	atcgagcgcatacaaacccgcgacgaagtgtaatggtctccacacgttcaacgcttggatltcaaccc	323
Db	264	
QY	396	
QY	tctaatgttgtt	407
Db	324	
Db	tccaaggtgtgtt	335

```

1  RESULT      9
2  US-09-637-086D-33331
3  ; Sequence 33331, Application US/09637086D
4  ; GENERAL INFORMATION:
5  ; APPLICANT: Fincher, Karen L.
6  ; APPLICANT: La Rosa, Thomas J.
7  ; APPLICANT: McCarter, David W.
8  ; APPLICANT: Pear, Julie R.
9  ; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
10 ; TITLE OF INVENTION: Plants
11 ; FILE REFERENCE: 38-21(51375)B
12 ; CURRENT APPLICATION NUMBER: US/09/637,086D
13 ; CURRENT FILING DATE: 2000-08-11
14 ; PRIOR APPLICATION NUMBER: US 60/149,881
15 ; PRIOR FILING DATE: 1999-08-19
16 ; NUMBER OF SEQ ID NOS: 52949
17 ; SEQ ID NO 33331
18 ; LENGTH: 422
19 ; TYPE: DNA
20 ; ORGANISM: Gossypium hirsutum
21 ; FEATURE:
22 ; OTHER INFORMATION: Clone ID: LIB3149-021-01-K1-C7
23 US-09-637-086D-33331

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Query Match	24.5%	Score 99.8	DB 7	Length 422
Best Local Similarity	59.9%	Pred. No. 1e-19		
Matches 167	Conservative	0	Mismatches 112	Indels 0
				Gaps 0
Qy	130	gaagcagaggaagagatcattcttaacagcacctctctgttaacagcaatattacatgagtg	189	
Db	2	gaaagagccgcgaagtgatctatttcaacagcacctcttcgtccgcgcgtttatagagcg	61	
Qy	190	caacctgttccaaggaactacgttaagaaatgaagcgttgcctttactattctgaagaag	249	
Db	62	caaccttccatccgcgtccgaagltccaagtacaacgcgtccgcgtcttagcgcgttgagcaag	121	
Qy	250	aagcaggaatcatcatagttctcgcgagccttcaagggtagaagaaagaaattacaagct	309	
Db	122	atgacgaggttccaagtggtctcggtggaccttaagaagcgcaagggaaagtgtgtcaag	181	
Qy	310	gtttatcgaagaanaatactcgatcatatctgagagagtgacacgagaanaaagaaatgga	369	
Db	182	tgaaccgcgcgcaaaatgggtgtgatccaatccagacgcataccgcgcgaggaagtgaaagtgct	241	
Qy	370	tgaactgtacctgttggaatatcatccaattaatgtgttta	408	
Db	242	ccaccgtcaacgttgggtatccaacccctccaaggttttca	280	

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RESULT 10
US-09-874-708A-47173/C
; Sequence 47173, Application US/09874708A
; GENERAL INFORMATION:
; APPLICANT: Byrum, Joseph R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(5193)B
; CURRENT APPLICATION NUMBER: US/09/874, 708A
; CURRENT FILING DATE: 2001-12-20

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